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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/824,923	04/15/2004	James P. Mitchell	03CR242/KE	7351

7590 07/26/2005
Kyle Epele
ROCKWELL COLLINS, INC.
Attention: Kyle Epele M/S 124-323
400 Collins Rd. NE
Cedar Rapids, IA 52498

EXAMINER

LAUTURE, JOSEPH J

ART UNIT	PAPER NUMBER
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2819

DATE MAILED: 07/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/824,923

Applicant(s)

MITCHELL ET AL.

Examiner

Joseph Lauture

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 April 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 12-23 is/are allowed.
- 6) ☒ Claim(s) 1-4, 6, 8, 10 and 24-26 is/are rejected.
- 7) ☐ Claim(s) 5, 7, 9 and 11 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on 15 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 30305.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Specification

The application has not been checked to the extent necessary to determine the presence of all possible typographical and grammatical errors. Applicant's cooperation is requested in correcting any errors of which he/she may become aware in the application.

The Information Disclosure Statements filed 03/03/05 have been considered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-4, 6,8, 10, 24, 25 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kaplan et al (US 5,787,386) in view of Friedman et al (US 5,027,376).

Kaplan teach a multilingual translation dictionary that includes a memory device in the form of a look-up table (See column 4, lines 4-5) to store a set of variable length codes generated using Huffman encoding (See line 23 of abstract) for a plurality of languages for compression of text received in a continuous stream (See column 4, lines 56-57); an encoder (lines 6-7 of abstract) coupled to the memory device, the encoder configured to receive text in at least one of the plurality of languages to generate a compressed text by assigning a code to each word in the text based on codes from the

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set of variable length codes that are associated with the at least one language of the text and to generate at least one header (See column 5, line 4) to be inserted in the compressed text, wherein the set of variable length codes include variable code lengths based on language features such as word length and frequency of occurrence of words (See column 4, lines 7-11).

Kaplan et al do not specifically teach a compression scheme wherein a header includes information regarding the location in the compressed text of a subsequent change in code length. However, Friedman et al teach a telecommunications system and method wherein data is codified with a compressed character code, the length of which is dependent on the frequency of the character in the data stream, wherein changes relative to the frequency of characters (thereby information on change in code lengths) is passed on to a compression modem. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teachings of Friedman et al into the system of Kaplan et al to improve system performance and reliability because this would provide a system that can perform at higher data rates (See column 4, lines 48-49).

Allowable Subject Matter

Claims 5,7,9 and 11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 12-23 are allowable.

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CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph Lauture, whose telephone number is (571) 272-1805. The examiner can normally be reached Monday thru Friday between 9:30 am and 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Tokar can be reached at (571) 272-1812. The fax number for the organization to which this application is assigned is (571) 273-8300

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (571) 272-1562.

Joseph Lauture
Group: 2819
Date: 07/21/2005


PEGUY JEANPIERRE
PRIMARY EXAMINER